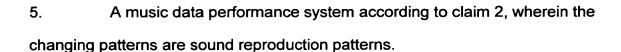WHAT WE CLAIM ARE:

1.      A musical data performance system comprising:

        a first changing pattern generator that generates a first changing pattern by combining a plurality of note lengths; and

5       an effect giving device that gives an effect to a tone signal in accordance with the generated first changing pattern.

2.      A music data performance system according to claim 1, further comprising:

10      a plurality of sound reproduction channels;

        a second changing pattern generator that generates different second changing patterns for at least two different channels of said plurality of sound reproduction channels, by combining a plurality of note lengths;

        a third changing pattern generator that generates third changing

15  patterns by synthesizing the first changing pattern and the second changing patterns; and wherein

        the effect giving device gives an effect to a tone signal in accordance with the generated third changing patterns.

20  3.      A music data performance system according to claim 2, wherein the changing patterns can be set by a measure as a unit and used repeatedly.

4.      A music data performance system according to claim 2, wherein the second changing patterns are for a left-channel and a right-channel of sound
25  reproduction channels.

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5. A music data performance system according to claim 2, wherein the changing patterns are sound reproduction patterns.

6. A music data performance system according to claim 5, wherein said
5   plurality of note lengths are positive note lengths and negative note lengths, and said plurality of note lengths at a same timing are added.

7. A music data performance system according to claim 5, wherein levels of said plurality of note lengths are in a range between a maximum sound
10   reproduction level and a negative of the maximum sound reproduction level.

8. A musical data performance system comprising:

a first changing pattern generator that generates a first changing pattern by combining a plurality of note lengths;

15   a lower limit altering device that alters a lower limit value of a parameter regarding reproduction of the changing pattern, without altering an upper limit value; and

an effect giving device that gives an effect to a tone signal in accordance with the altered changing pattern.

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9. A music data performance system according to claim 8, further comprising:

a plurality of sound reproduction channels;

a lower limit altering device that alters a lower limit value of a parameter
25   regarding reproduction of the first changing pattern, without altering an upper limit value;

a second changing pattern generator that generates different second changing patterns for at least two different channels of said plurality of sound reproduction channels, by combining a plurality of note lengths;
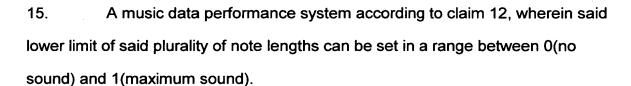
a third changing pattern generator that generates third changing

5 patterns by synthesizing the first changing pattern and the second changing patterns; and wherein

the effect giving device gives an effect to a tone signal in accordance with the generated third changing patterns.

10 10.	A music data performance system according to claim 9, wherein the changing patterns can be set by a measure as a unit and used repeatedly.

11.	A music data performance system according to claim 9, wherein the second changing patterns are for a left-channel and a right-channel of sound

15 reproduction channels.

12.	A music data performance system according to claim 9, wherein the changing patterns are sound reproduction patterns.

20 13.	A music data performance system according to claim 12, wherein said plurality of note lengths are positive note lengths and negative note lengths, and said plurality of note lengths at a same timing are added.

14.	A music data performance system according to claim 12, wherein

25 levels of said plurality of note lengths are in a range between a maximum sound reproduction level and a negative of the maximum sound reproduction level.

15.    A music data performance system according to claim 12, wherein said lower limit of said plurality of note lengths can be set in a range between 0(no sound) and 1(maximum sound).

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16.    A music data performance system according to claim 12, wherein middle levels of said plurality of note lengths are changed in accordance with a change in said lower limit.

10    17.    A musical data performance method comprising the steps of:

(a) generating a first changing pattern by combining a plurality of note lengths; and

(b) giving an effect to a tone signal in accordance with the generated first changing pattern.

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18.    A musical data performance method comprising the steps of:

(a) generating a first changing pattern by combining a plurality of note lengths;

(b) altering a lower limit value of a parameter regarding reproduction of

20    the changing pattern, without altering an upper limit value; and

(c) giving an effect to a tone signal in accordance with the altered changing pattern.

19.    A program that a computer executes to realize a music data

25    performance process, comprising the instructions of:

(a) generating a first changing pattern by combining a plurality of note

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lengths; and

(b) giving an effect to a tone signal in accordance with the generated first changing pattern.

5    20.        A program that a computer executes to realize a music data performance process, comprising the instructions of:

(a) generating a first changing pattern by combining a plurality of note lengths;

(b) altering a lower limit value of a parameter regarding reproduction of

10   the changing pattern, without altering an upper limit value; and

(c) giving an effect to a tone signal in accordance with the altered changing pattern.